

10/559525

Facsimile Cover Sheet

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Date: March ¹⁵ 7, 2006

Pages

including this cover page:

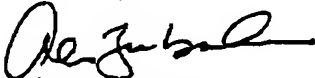
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As requested, please find a fax copy of page 13, claim 8 of PCT/US04/012001 (our docket DC5133 PCT1).

I note that the PCT application as published did not include the last line of claim 8, which reads "according to claim 7". This has been shown as an insertion (as underlined) in the attached claim 8.

If I can be of further assistance, please advise.

Sincerely,



Alan Zombeck

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CLAIMS

1. A method of making a silicone oil-in-water emulsion comprising the steps of:
(i) forming a homogeneous oil phase containing a silicone gum, a silicone rubber, a silicone elastomer, a silicone resin, or a mixture thereof; the silicone in the homogenous oil phase
5 having a viscosity of at least 100,000,000 (100 million) centistoke (mm^2/s) to 5,000,000,000 (5 billion) centistoke (mm^2/s); (ii) mixing one or more surfactants with the homogenous oil phase; (iii) adding water to the homogenous oil phase to form a water-in-oil emulsion containing a continuous phase and a dispersed phase, the water being added in an amount of about 0.5-10 percent by weight based on the weight of the silicone in the homogenous oil
10 phase; (iv) applying high shear to the water-in-oil emulsion in a twin-screw extruder having a length to diameter L/D ratio of at least 15, to cause inversion of the water-in-oil emulsion to an oil-in-water emulsion; and (v) diluting the oil-in-water emulsion by the addition of water; the method being carried out in the absence of a solvent other than solvents present in the silicone gum, silicone rubber, silicone elastomer, or silicone resin in (i).
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2. A method according to Claim 1 wherein the silicone in the homogenous oil phase has a viscosity of at least 200,000,000 (200 million) centistoke (mm^2/s) to 2,000,000,000 (2 billion) centistoke (mm^2/s).
- 20 3. A method according to Claim 1 wherein the silicone in the homogenous oil phase has a viscosity of at least 1,000,000,000 (1 billion) centistoke (mm^2/s).
4. A method according to Claim 1 wherein the silicone in the homogenous oil phase is a silicone resin.
- 25 5. A method according to Claim 1 wherein the amount of water added in (iii) is about 1-5 percent by weight based on the weight of the silicone in the homogenous oil phase
6. A method according to Claim 1 wherein the L/D ratio of the twin-screw extruder is 15-60.
- 30 7. A silicone oil-in-water emulsion prepared according to the method defined in Claim 1.

8. A personal care product, medical product, coating product, household care product, or product for application to paper, containing the silicone oil-in-water emulsion prepared according to claim 7.

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